



1. Project Name: Rota SBH
2. Date of Inspection: June 6, 2002
3. Inspection Personnel:

	<u>Name</u>	<u>Agency/Office</u>	<u>Telephone No.</u>
a.	Dan Meyers	COE	438-8875
b.	Benjamin M. Manglona	CPA	670-523-9497
c.	Ed Mindiola	CPA	670-664-3500

4. Discussion:

The Revetted mole is approximately 535 LF. The overall condition of the project is fair. There has been some on-going deterioration, at Sta. 1+80, (1st. Set of Culverts) which has progressed to a point where repairs are required to ensure the continuing functionality of the structure.

Revetted Mole - 535 LF:





Deficiencies and notes as follows:



- a. Sta. 0+00, Oceanside (OS), 1st visible sign of armor stone.



- b. Sta. 0+80, OS, 1 ea. dislodged armor stone and void.



c. Sta. 0+98, OS, 1 ea. flipped armor stone.



d. Sta. 1+58 to Sta. 1+73, HS, Potential Breach Area, missing armor stones and void approx. 1/3 of the sideslope.



e. Sta. 1+70, OS, Overview (reference photo).



f. Sta. 1+80, Harborside (HS), Dredge cut approximately 7' from toe of the structure (reference photo).



g. Sta. 1+83, HS, Dredge cut approximately 5' from toe of the structure (reference photo).



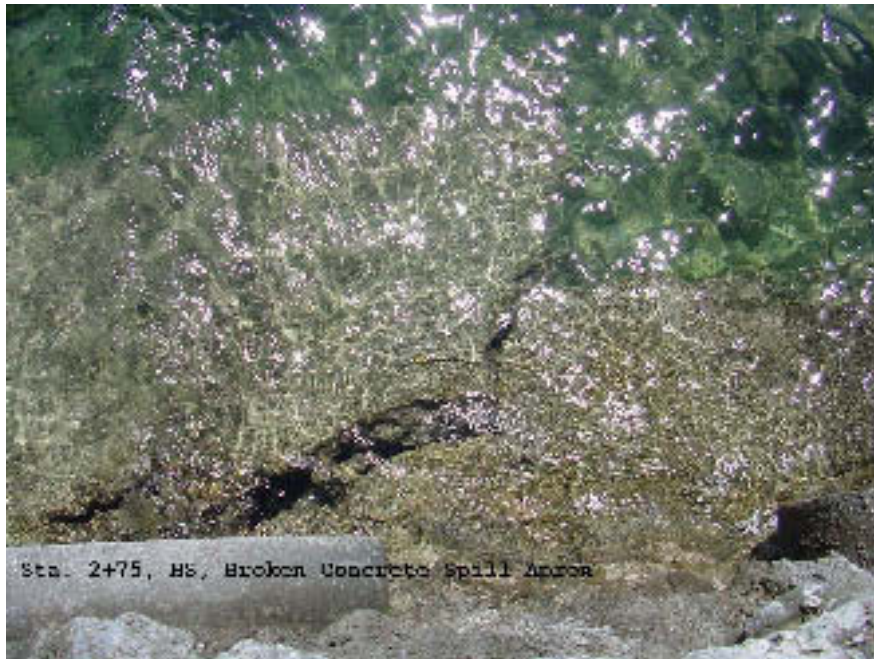
h. Sta. 1+91 to Sta. 2+29, HS, Settling of the hinge up to 2'.



Sta. 2+71, HS, 2nd Set of Culverts
Dredge Cut approx. 20 Ft. from Culverts



- i. Sta. 2+71, HS, dredge cut approx. 20' from culverts (reference photo).



Sta. 2+75, HS, Broken Concrete Spill Apron

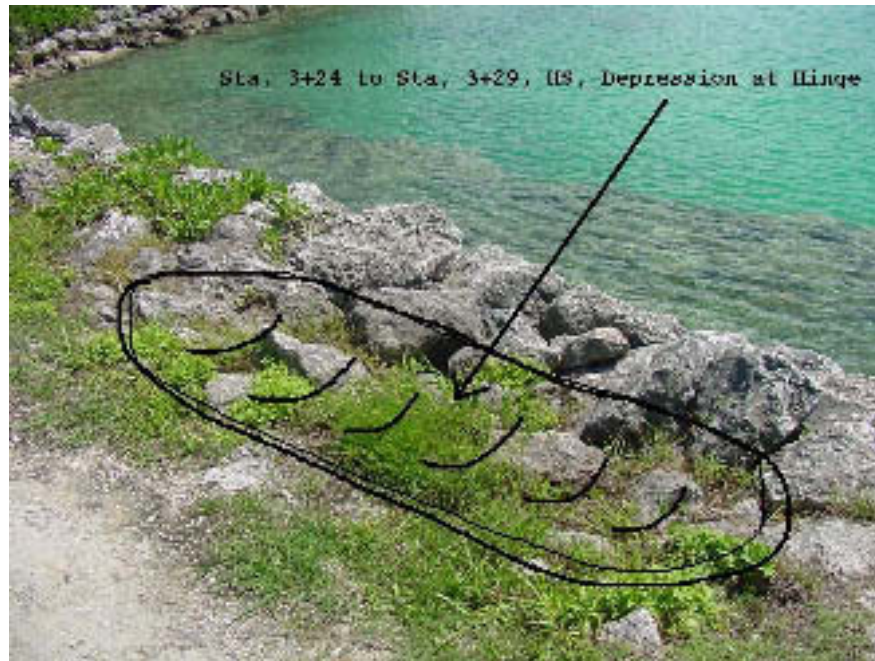
- j. Sta. 2+75, HS, broken concrete spill apron.



k. Sta. 2+80, HS, Overview, (reference photo).



l. Sta. 3+06, OS, 1 ea. flipped armor stone at crest.



m. Sta. 3+24, HS, Settling / depression at hinge of sideslope.



n. Sta. 3+38 to 3+80, HS, Settling / depression at hinge of sideslope.



- o. Sta. 3+38, HS, end of revetment (reference photo).



- p. Sta. 3+68, OS, slight depression and void near crest on sideslope.



q. Sta. 4+29 to Sta. 4+73, OS, Covered with vegetation.



r. Sta. 4+73, OS, Ironwood tree displacing armor stone on the sideslope.



s. Sta. 4+55, OS, (reference photo).

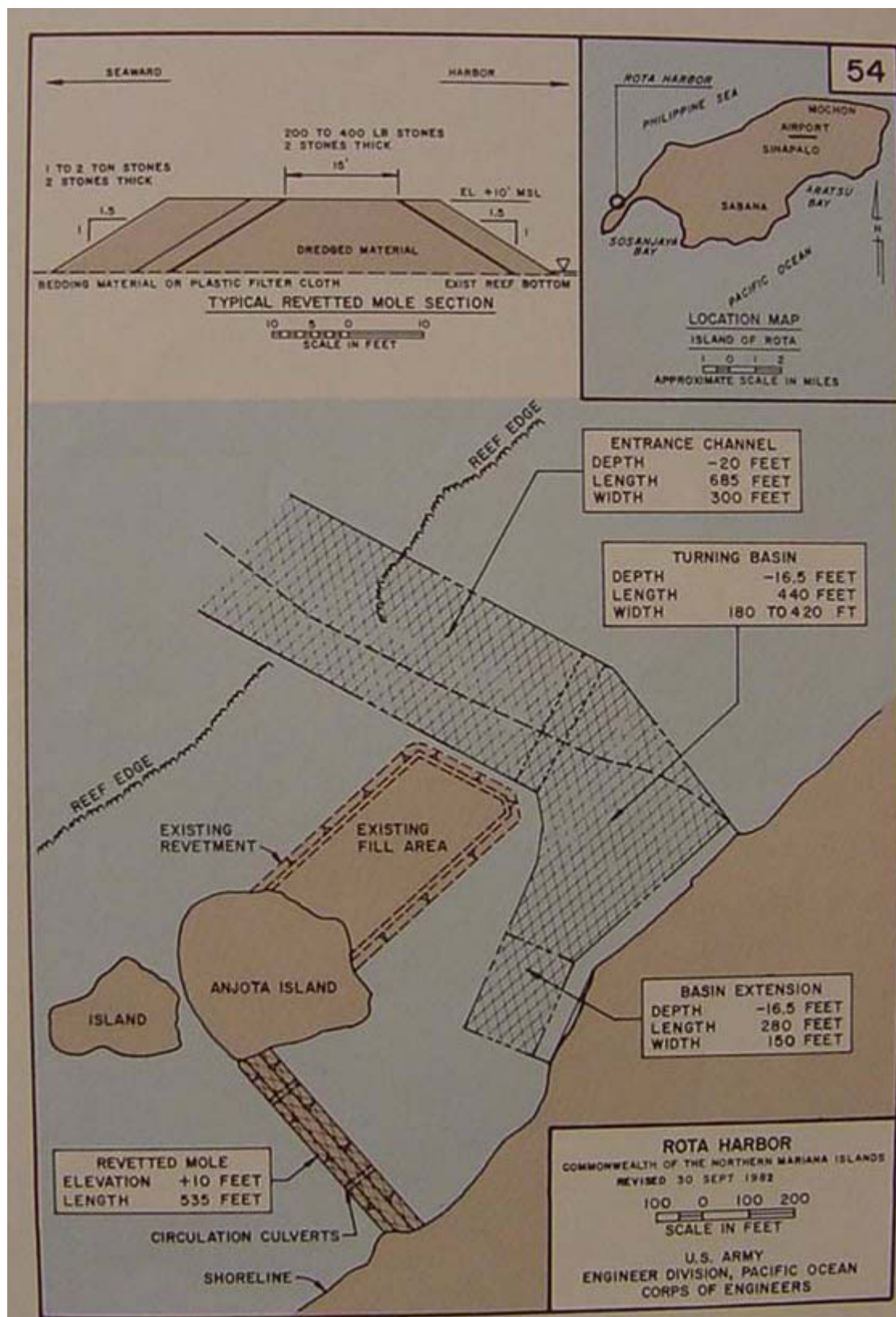
5. Findings/Conclusions:

Ben Manglona, CPA stated that there was a build-up of silt material in the north-east corner of the turning basin adjacent to dock # 1. Repairs and vegetation removal should be programmed for as soon as possible.

Signed: _____
Dan Meyers, CEPOH-EC-T

Signed: _____
Jim Pennaz P.E., Ch, CEPOH-EC-T

Additional Photos
Project Index Map





ROTA HARBOR, NORTHERN MARIANAS

CONDITION OF IMPROVEMENT 30 SEPTEMBER 1991

PREVIOUS PROJECTS: None.

EXISTING PROJECT: Authorized for construction on 20 October 1980 under Section 107 of the River and Harbor Act of 1960, as amended. Provides for an entrance channel 685 feet long, 300 feet wide, 20 feet deep; a turning basin 440 feet long, 180-440 feet wide, 16.5 feet deep; a revetted mole 535 feet long, 10 feet high; a basin extension 280 feet long, 150 feet wide and 16.5 feet deep; and appurtenant aids to navigation.

PROGRESS OF WORK

Completed and Under Maintenance: The project was completed in April 1985. A maintenance dredging contract awarded in June 1989 was completed in September 1990 for \$351,200.

Work Remaining: None.

COST OF CONSTRUCTION:

	<u>New Work</u>	<u>Maintenance</u>	<u>Total</u>
<u>Completed Works:</u>			
United States Funds			
Corps of Engineers	\$1,909,681	\$436,200	\$2,345,881
Coast Guard	79,989		79,989
Contributed Funds			
Required	774,373		774,373
Other	<u>70,935</u>	<u> </u>	<u>70,935</u>
Total Costs	\$2,834,978	\$436,200	\$3,271,178

RANGE OF TIDES: The range of tide between mean lower low water and mean higher high water is 2.4 feet.